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JUL 18 1952

Asst. Director for Collection and Dissemination

Asst. Director for Communications

Support of the Office of Collection and Dissemination
by the Office of Communications

REF : Facsimile Development Program, Budget for FY-1953-54

1. In addition to communications services furnished to the Office of Collection and Dissemination by the Office of Communications there has been a notable and desirable increase in the program for development and service of Facsimile systems which may be applicable to our communications program and are certainly applicable to document abstracting for certain operations in your office.

2. In this connection, this office has loaned the services of an engineer and a technician, on a continuous basis, in support of Facsimile operations. It is understood that the individuals presently assigned to this duty have carried out their assigned duties to your entire satisfaction. However, any increase of services in this field prompts the question as to whether or not it may be advisable to set up a service facility for the maintenance of your Facsimile distribution system in much the same manner as teletype cipher communications equipment in Contacts offices is serviced by my Wire Engineering Staff. To do so would provide a natural means for staffing the operation through rotation of Communications personnel.

3. With reference to developmental programs supporting Facsimile operations in your office, informal discussions between [redacted] of my office and [redacted] have resulted in a statement of a revised FY-1953 Budget and a Budget estimate for 1954 in support of this program. This material is assembled in the reference, a copy of which is attached. STAT

4. The 1954 estimate of \$175,000.00 for Facsimile development has been included in the Office of Communications' budget. The extent of revisions noted for 1953 indicate that it may be necessary to go before the Project Review Committee to support these changes in the development program.

5. It is suggested that a conference concerning the above matters would be most helpful in planning the above program. Your concurrence and indication of a suitable time and date for such a conference is requested.

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M-1023

H. M. McCLELLAND

Attachment - 1

Orig: CWN/blw

cc:

OC-E/DEV

OC-P

OC-O/Ch R&D Board

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[] - Facsimile Communications System

50X1

Description and Purpose

There is a definite need within the Agency for a high-speed system of communications for the transmission of great volumes of recorded information. While facsimile systems offer a means of transmission of the material, there are at present no systems of encipherment which can be applied to classified material. The aim of this program is to develop a system of encoding and decoding facsimile intelligence in order to permit transmission of classified material.

Budget Plans

FY-1953 - No funds have been requested in this budget since the Research and Development Branch believes that this year should be devoted to the internal formulation of ideas and plans for the project. It is unlikely that an external development contract could be negotiated this fiscal year without delaying other assigned projects.

FY-1954 - Funds in the amount of \$175,000.00 have been requested for the external development of this contract during this fiscal year.

Requirements

OCD has indicated verbally that its requirements necessitates earlier action on this project than the budget plans permit. Attached is a tentative estimate prepared by [] which indicated the funds required in FY-1953 and FY-1954. STAT to allow the project to proceed at the rate desired by OCD. A confirming letter from OCD is awaited.

Recommendation

If the requirements warrant expediting this program, it has been suggested by [] that the program be submitted to the Project Review Committee for approval and funds. STAT

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Chief, Engineering Division, OC

10 June 1952

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Facsimile Development Program, Budget for 1953-54

1. It is requested that the revised budget for 1953 and the budget for 1954 include the following projected requirements for OCD.

A. 07 Contractual Services 1953 (Revised)

(1)		50,000.00	50X1
(2)	Microfilm Scanner	25,000.00	
(3)	High Speed Fax	50,000.00	50X1
(4)	Experimental Radio Link	10,000.00	
(5)	Misc Mech. Developments		
	(a) Film card feed	5,000.00	
	(b) Film reel feed	5,000.00	
	(c) Auto. Paper feed	5,000.00	
(6)	Misc. Fax card Modifications		
	(a) Wire blade development	5,000.00	
	(b) Paper folder	5,000.00	
		<u>160,000.00</u>	

B. 09 Equipment 1953 (Revised)

(1)	Additional Fax card equipment		
	(a) 2 Transmitters @ 12,000.00	24,000.00	
	(b) 4 Recorders @ 5,000.00	20,000.00	
(2)	Additional High Speed Fax		50X1
	(a) 2 Transmitters @ 5,000.00	10,000.00	
	(b) 2 Recorders @ 5,000.00	10,000.00	
		<u>64,000.00</u>	

C. 07 Contractual Services 1954

(1)		175,000.00	50X1
(2)	Microfilm Scanner	50,000.00	
(3)	Duplimat recorder development	75,000.00	
(4)	Misc. Fax card Modifications	10,000.00	
(5)	Misc. Mech. developments	25,000.00	
		<u>335,000.00</u>	

D. 09 Equipment 1954

(1)	Additional Fax card Equipment	
	(a) 4 Transmitters @ 12,000.00	48,000.00
	(b) 8 Recorders @ 5,000.00	40,000.00

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<p>(2) Additional High Speed Fax </p> <p style="margin-left: 20px;">(a) 4 Transmitters @ 5,000.00</p> <p style="margin-left: 20px;">(b) 8 Recorders @ 5,000.00</p> <p style="margin-left: 20px;">(3) Microfilm Scanners</p> <p style="margin-left: 20px;">(a) 4 Transmitters @ 10,000.00</p>	<p>50X1</p> <p>20,000.00</p> <p>40,000.00</p> <p><u>40,000.00</u></p> <p><u>188,000.00</u></p>
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2. In support of the above, OGD requires equipment capable of performing the followings:

- A. Rapidly reproducing, on a local or remote basis, letter of legal size classified documents at a one to one ratio.
- B. Rapidly reproducing, on a local or remote basis, letter or legal size classified documents which have been reduced to 16 and 35 MM Microfilm.
- C. Rapidly producing, through the use of a special recorder in conjunction with A or B above, an offset master for duplicating purposes.
- D. Means for semi-automatically scanning material in any normal configuration such as books, periodicals, single copy, cards, etc.
- E. Means of immediately reaching any of the IAC Agencies where Service is required.
- F. Means for providing long-time security of material transmitted through Top Secret security classification.

3. If further support is required on any of 2 above, each item can be expanded and a justification written.

4. The Office of Procurement also has a requirement for high speed classified traffic between the main offices and warehouses.

/s/

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